

REMARKS

Claims 15-31 stand rejected under 35 USC 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. This rejection is respectfully traversed.

Each of claims 15, 16, 17, 18, 21, 22, 23, 26 and 27 have been amended to incorporate proper antecedent basis for each of the limitations that the Examiner alleges have insufficient antecedent basis. In this regard, claim 15 has been amended to include the expression "a gamma spectrometry apparatus" on line 3 to provide antecedent basis for the use of the expression "gamma spectrometry apparatus (30) on lines 9-10. In addition, claim 15 line 12 has been amended to read "a source detector" and in line 13 "gamma spectrometry" was added before "apparatus (30).

In claim 16, line 6, "the turntable" has been amended to read "a turntable". Moreover, on line 8, "each standard dimension object" has been amended to read "each of the standard dimension objects".

Claim 17 has been amended on lines 5-6 replacing "a standard dimension object" with the term "one of the standard dimension objects". Moreover, on line 13 "the object" has been replaced by the term "said one of the standard dimension objects".

Claim 17 depends from claim 16, which recites "a base (26)" on line 10 and therefore antecedent basis exists for "the base (26)" on line 3 of claim 17. Moreover, since claim 16 has been amended to specify "a turntable (70)" on line 6 antecedent basis exists in claim 17 for the turntable (70).

Nevertheless, claim 17 has been further amended on lines 5-6 for purposes of consistency with the amendment to claim 16 replacing the expression "a standard dimension

object” with the expression “one of the standard dimension objects” and replacing the expression “the object (edim)” on line 13 with the expression “one of the standard dimension objects (edim)”.

Since claims 17, 18, 21, 26 and 27 are dependent claims, which depend from claim 16, antecedent basis is now believed to exist in each claim for use of the language “the turntable”.

Claim 18 lines 3-4 have been amended to replace the wording “the standard dimension object” with the wording “said one of the standard dimension objects”. In addition, lines 6-9 have been amended to replace the expression “standard dimension object” with the expression “said one of the standard dimension objects”.

Claims 21, 22, 23, 24, 25 and 28, have been amended to be consistent with the amendments made to claims 5-17 replacing the term “each standard density object” with the expression “each of the standard density objects”. Moreover, claim 22, lines 6-7 have been amended changing “object” to “objects” and changing “it” to “they”.

Likewise in claim 23, the word “object” on lines 2 and 7 was changed to read “standard density objects” and on line 9, of claim 23 the wording “object until it is” has been changed to read “standard density objects until they are” and on line 12 the nomenclature “Z(1)” has been changed to read “Z (i)” and a parenthesis has been placed about the numbers 90 and 80 on lines 12 and 15 respectively.

Similarly, in claim 24, line 6, the wording “each position” $Z(i)$, $i=1\dots N$ has been changed to read “the position $Z(i)$ ”.

All of the above changes have been made to overcome the objections and rejections in claims 15-31.

The Examiner has indicated that claims 1-14 are allowed and that claims 15-31 would be allowable if rewritten or amended to overcome the rejections under 35 USC 112, second paragraph.

Applicant now believes that in view of the amendments to claims 15-18, 21-25 and 28-29 all of the claims 15-31 are in condition for allowance.

Reconsideration and allowance of all claims 1-31 is respectfully solicited.

Respectfully submitted,

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